



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090043

Mode: Highway

Status: Submitted

I-73, I-74, US-220

From/Cross Street: South of US 220 Business

Specific Improvement Type: 1 - Widen Existing Roadway

To: North of SR 2269 (Vision Drive)

Project Category: Statewide Mobility

Length: 8.04

TIP#: I-5105

Fully Funded in Draft STIP? No

Cost to NCDOT: \$243,823,000

Description:

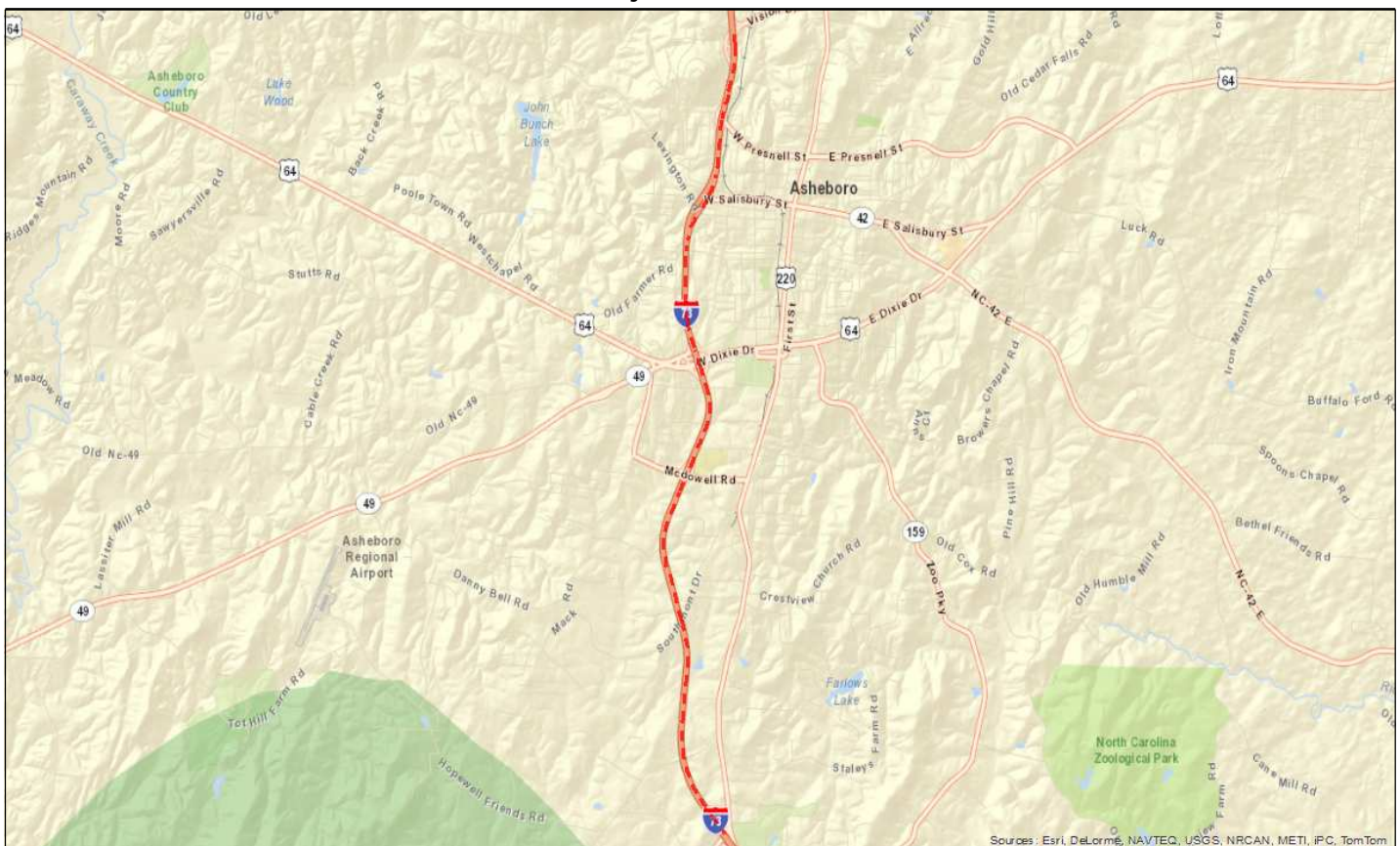
South of US 220 Business/ SR 1138 (Dawson-Miller Road) to North of SR 2269 (Vision Drive). Geometric, Operational, and Safety Improvements..

Division(s): Division 8

County(s): RANDOLPH

MPOS(s)/RPO(s): Piedmont Triad RPO

Project Location



Statewide Mobility Total Score: 19.05

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 34.64 Safety (10%) 41.11 Economic Competitiveness (10%) 12.53 Multimodal + [Freight & Military] (20%) 15.91 [Travel Time] Benefit/Cost (30%) 0.38	N/A	N/A
Totals: Weight: 100% Weighted Score: 19.05		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 34.64 Safety (10%) 41.11 [Travel Time] Benefit/Cost (25%) 0.38 Accessibility / Connectivity (10%) 18.16	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 14.68		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 34.64 Safety (10%) 41.11 [Travel Time] Benefit/Cost (20%) 0.38	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 11.12		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	57
Length (miles):	8.04
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	5
Roadway has Curb & Gutter?	No
Volume (AADT):	27239.18
Capacity:	68825.18
Volume/Capacity Ratio:	0.4
% Autos:	88%
% Trucks:	12%
Truck Volume:	3181.64
Crash Density:	30.75
Crash Severity:	37.46
Critical Crash Rate:	55.14
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	96
Actual Congested Speed:	60.6
Travel Time Index:	0.95

Project Benefits

Project Cross-Section:	8B - 8 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	8.04
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	3987653.2
Travel Time Savings for 30 Years (Autos):	3521880.24
Travel Time Savings for 30 Years (Trucks):	465772.96
Long-Term Employment:	70
% Change in Economy:	0.00018055
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Piedmont Triad RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$237,120,000	TIP Unit
Right-of-Way Cost:	\$5,985,000	Cost Estimation Tool
Utilities Cost:	\$718,000	Cost Estimation Tool
Total Project Cost:	\$243,823,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$243,823,000	